

CLIMATOLOGICAL DATA FOR SEPTEMBER, 1912.

DISTRICT NO. 7, LOWER MISSISSIPPI VALLEY.

ISAAC M. CLINE, District Editor.

GENERAL SUMMARY.

Unseasonably warm weather prevailed during the first 18 days of the month, especially over the eastern portion of the district where maximum temperatures were above 90° at all stations nearly every day and above 100° in many localities. From the 19th to 31st moderate temperature conditions prevailed. Precipitation was general over the district from the 9th to 16th, and scattered showers occurred during the remainder of the month, but the amounts were generally light, although in most cases sufficient for agricultural needs, except that in parts of Oklahoma and the Texas and Kansas areas droughty conditions prevailed during the greater part of the month. On the whole, conditions were favorable for all outdoor occupations.

The following table summarizes the chief features of meteorological interest in the various portions of the district.

States and portions of States lying within District No. 7.	Mean temperature.	Departure from normal.	Mean precipitation.	Departure from normal.	Greatest precipitation in 24 hours.	Mean snowfall.	With 0.01 inch or more.	Number of days			Precipitating wind direction.
								Clear.	Partly cloudy.	Cloudy.	
Colorado.....	52.8	-6.2	1.15	-0.13	1.20	8.5	5	17	6	7	sw.
New Mexico.....	59.8	-6.2	1.44	-0.46	3.99	T.	4	17	8	5	sw.
Texas.....	70.1	-1.3	2.51	-0.60	3.00	0	4	17	7	6	s.
Kansas.....	67.2	-2.9	2.67	-0.17	4.35	T.	6	14	8	8	s.
Oklahoma.....	71.5	-1.9	2.05	-0.86	3.93	T.	4	18	6	6	s.
Missouri.....	70.1	0.0	3.83	+0.10	2.95	0	6	19	6	5	s.
Tennessee.....	73.3	+1.1	1.80	-0.69	1.70	0	5	23	2	5	n.
Arkansas.....	78.5	+1.0	2.40	-0.94	3.30	0	4	18	8	4	sw.
Mississippi.....	76.9	+1.8	2.73	-0.39	4.00	0	5	19	6	5	ne.
Louisiana.....	79.2	+1.8	2.78	-1.07	4.00	0	6	15	7	8	n.

TEMPERATURE.

To the westward of the 94th meridian, mean temperatures ranged from 0.2° to 7.2° below the normal, the greatest deficiency being in the Colorado and New Mexico areas, while to the eastward of that line they were from 0.7° to 3.7° above the normal, the greatest excess being in Louisiana and in the Mississippi area. At many stations maximum temperatures were above 90° on a greater number of days than ever before recorded during the month of September, and maximum readings of 100°, or higher, were recorded in all parts of the district except in the Colorado and New Mexico areas where the highest temperatures were 97° and 98°, respectively. The highest temperature recorded, 108°, occurred at Jefferson, Okla., and a maximum reading of 106° was recorded at Pratt, Kans., and at Bee Branch, Ark. The lowest temperature recorded, 8°, occurred at Elizabethtown, N. Mex., and a minimum reading of 15° was recorded at Westcliffe, Colo.

PRECIPITATION BY DRAINAGE AREAS.

Arkansas River and tributaries.—Except in Kansas and a few other widely scattered localities, the precipitation was below the normal over this drainage area. Over the headwaters of the Arkansas River in Colorado the average from 32 stations was 1.16 inches, about 0.2 inch below the normal. The average from 42 stations in those portions of the Arkansas Valley proper that lie in Kansas and Oklahoma was 2.82 inches, about 0.3 inch above the normal. Over the headwaters of the Canadian River in New Mexico the average from 39 stations was 1.26 inches, about 0.4 inch below the normal. Over those portions of the Canadian Valley that lie in Oklahoma and Texas the average from 31 stations was 1.97 inches, about 1 inch below the normal. The average from 20 stations in the Cimarron Valley was 2.12 inches, about 0.3 inch below the normal. Over the Verdigris Valley the average was 2.32 inches, about 2 inches below the normal, and over the Neosho Valley the average was 3.09 inches, about 0.6 inch below the normal. Below the Oklahoma-Arkansas line the average from 13 stations in the Arkansas Valley proper was 2.26 inches, about 1 inch below the normal.

Red River and tributaries.—Over those portions of the Red River Valley that lie in New Mexico, Texas, and Oklahoma the precipitation from 44 stations averaged 2.24 inches, about 1 inch below the normal. Below the Texas-Arkansas line the average from 21 stations was 1.58 inches, about half the normal amount.

Mississippi River south of St. Louis and small tributaries.—The precipitation was deficient over this drainage area, except in the valleys of the White and Yazoo Rivers. Over the immediate Mississippi Valley, the average from 33 stations was 2.73 inches, about half an inch below the normal. The average from 24 stations in the Valley of the White was 3.59 inches, about the normal amount. Over the Yazoo Valley the average from 19 stations was 3.28 inches, about half an inch above the normal. The average for the valley of the Big Black was 2.24 inches, about 0.9 inch below the normal. The amounts from 21 stations in the Ouachita Valley averaged 1.70 inches, about 1.4 inches below the normal.

Louisiana coastal plain.—Heavy precipitation occurred in a few localities, but generally there was a deficiency, the average from 36 stations being 3.56 inches, about 0.9 inch below the normal.

SNOWFALL.

Snow occurred generally over the more elevated portions of the Colorado area and the northern portion of the New Mexico area. The monthly amounts ranged from a trace over northern New Mexico to 23.5 inches at Fairview, Colo.

RIVERS.

No floods occurred in Oklahoma and there were no decided changes in the stages of the streams, the rivers continuing below the normal generally.

In Kansas all streams were low and no decided changes occurred.

In Arkansas, the White, Black, and Arkansas Rivers continued unusually low throughout the month. At Little Rock the Arkansas was not navigable at any time, the highest stage recorded being 2.8 feet on the 1st.

The Mississippi River below St. Louis was low throughout the month, and, except for a few slight and unimportant rises, there was a general fall from the 1st to 31st.

The Red River continued low, and, except for a sharp rise at Fulton, Ark., on the 23d-24th, there was a general fall.

The Ouachita River fell steadily, except for a few minor rises, and the stages were low generally.

TABLE 1.—*Climatological data for September, 1912. District No. 7, Lower Mississippi Valley.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
<i>Colorado.</i>																				
Buena Vista.....	Chaffee.....	7,955	12	46.0	-8.3	71	1	18	20	38	0.85	+0.30	0.65	7.0	4	18	9	3	sw.	C. A. Short.
Calhan.....	El Paso.....	6,700	5	51.8	.....	81	3†	24	25†	49	2.09	.....	0.96	7.5	9	20	4	6	se.	H. B. Rice.
Canon City.....	Fremont.....	5,343	24	56.8	-8.2	87	2†	31	30	49	0.90	+0.14	0.52	1.0	4	22	2	6	ne.	U. S. Weather Bureau.
Colorado Springs.....	El Paso.....	6,098	32	52.9	-6.6	78	1†	24	21	37	0.60	-0.54	0.43	4.0	12	12	9	9	se.	Colorado College.
Cripple Creek.....	Teller.....	9,396	11	.....	.....	.....	.....	.....	.....	0.91	-0.60	0.40	13.8	4	13	5	12	sw.	F. G. Willis.	
Cuchara Camps.....	Huerfano.....	8,200	3	.....	.....	.....	.....	.....	.....	0.94	.....	0.54	3.0	8	13	5	12	sw.	George A. Mayes.	
Eads.....	Kiowa.....	4,209	5	.....	.....	.....	.....	.....	.....	0.95	.....	0.70	0.2	2	20	1	9	se.	Mrs. Mattie A. Kerr.	
Fairview.....	Custer.....	9,500	3	.....	.....	.....	.....	.....	.....	2.30	.....	0.85	23.5	7	7	22	1	e.	Elizabeth L. Grey.	
Fremont Experiment Station.....	El Paso.....	8,850	2	43.4	.....	72	7	17	25	38	1.17	.....	0.71	5.0	8	16	6	s.	U. S. Forest Service.	
Garfield.....	Chaffee.....	9,510	2	.....	.....	.....	.....	.....	.....	1.77	.....	0.70	15.0	6	20	4	6	w.	Lloyd N. Felton.	
Hamps.....	Elbert.....	5,400	19	.....	.....	.....	.....	.....	.....	1.46	.....	0.93	10.0	6	16	12	2	sw.	W. Hamp.	
Hermit Lake.....	Custer.....	10,000	2	.....	.....	.....	.....	.....	.....	1.01	-0.25	0.70	0	3	19 ^a	3 ^a	7 ^a	w.	John E. Graham.	
Hoehne (near).....	Las Animas.....	5,700	20	58.2	-4.6	88	1†	30	21†	42 ^b	1.51	+0.18	0.71	0	4	16	5	9	se.	S. W. Debusk.
Holly.....	Prowers.....	3,380	17	65.8	-3.1	95	8	33	22	44	.....	.....	.....	.....	.....	.....	.....	.....	Holly Sugar Co.	
La Junta.....	Otero.....	4,052	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Fred B. Mason.		
Lake Moraine.....	El Paso.....	10,205	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Clyde C. McReynolds.		
Lamar.....	Prowers.....	3,592	22	63.3	-5.9	97	8	30	25	48	2.00	-0.84	1.08	0	4	21	2	7	s.	J. T. Lawless.
Las Animas.....	Bent.....	3,899	44	.....	.....	.....	.....	.....	.....	0.92	.....	0.30	2.0	4	6	13	11	w.	F. M. Tague.	
La Veta Pass.....	Costilla.....	9,000	2	.....	.....	.....	.....	.....	.....	0.92	.....	0.30	1.00	4	16	7	7	w.	Clara M. Wright.	
Leadville.....	Lake.....	10,248	16	41.3	-7.2	72	2	16	25	39	1.42	+0.51	1.00	14.5	4	16	7	w.	U. S. Weather Bureau.	
Limon (near).....	Elbert.....	5,360	5	53.8	.....	87	8	22	25	47	1.37	.....	0.83	T	3	19	5	6	n.	F. L. Palmer.
Madrid.....	Las Animas.....	2	.....	.....	.....	.....	.....	.....	.....	0.51	.....	0.42	0	4	.....	.....	.....	.....	Thomas Sawers.	
Manitou.....	El Paso.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	John Faucher.	
Marshall Pass.....	Saguache.....	10,846	9	.....	.....	.....	.....	.....	.....	0.50	.....	0.50	0	1	17	5	8	sw.	W. L. Williams.	
Maxey.....	Baca.....	.....	.....	.....	.....	.....	.....	.....	.....	0.50	.....	0.50	0	1	17	5	8	sw.	L. H. Alberti.	
Monument.....	El Paso.....	7,200	1	48.8	.....	79	7	21	21	44	1.71	.....	0.60	11.8	9	11	5	14	sw.	U. S. Forest Service.
North Lake.....	Las Animas.....	8,700	20	.....	.....	.....	.....	.....	.....	0.37	-1.04	0.16	0.5	4	23	2	5	nw.	James W. Ingmire.	
Pueblo.....	Pueblo.....	4,734	24	57.4	-7.0	90	3	28	22	48	0.52	-0.10	0.40	0	7	15	8	7	se.	U. S. Weather Bureau.
Rocky Ford (near).....	Otero.....	4,177	12	59.6	-6.0	92	1	31	22†	47	1.77	+1.01	0.94	0	4	20	3	7	e.	P. K. Blinn.
St. Elmo.....	Chaffee.....	9,500	3	.....	.....	.....	.....	.....	.....	1.71	.....	0.68	18.0	8	22	2	6	sw.	Daniel Clark.	
Salida.....	.....	7,025	13	50.0	-7.2	80	2	20	21†	45	1.10	+0.04	0.80	7.0	5	26	2	2	w.	M. D. L. Buell.
Santa Clara.....	Huerfano.....	8,252	17	50.5	-5.1	80	7	24	21	45	2.79	+0.61	1.20	5.5	11	14	11	5	.....	Lincoln G. Morris.
Sheridan Lake.....	Kiowa.....	4,065	10	.....	.....	.....	.....	.....	.....	0.26	.....	0.14	T	3	18	3	9	e.	Howard Gamble.	
Stonewall.....	Las Animas.....	8,000	6	.....	.....	.....	.....	.....	.....	1.20	-0.09	0.80	T	8	14	8	8	.....	G. A. Storz.	
Trinidad.....	Baca.....	5,994	16	56.6	.....	86	2	29	22	46	0.75	.....	0.47	0	5	17	5	8	sw.	Walter Dearden.
Two Buttes.....	.....	4,100	1	.....	.....	.....	.....	.....	.....	0.72	.....	0.50	8.5	2	16	10 ^a	3 ^a	w.	N. G. Jones.	
Two Buttes Reservoir.....	Teller.....	10,100	8	45.1	66 ^b	1†	21	25	36 ^b	.....	1.52	-0.02	1.00	0	2	18	4	8	sw.	W. J. Krohne.
Victor.....	Baca.....	3,935	21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Fred Jones.	
Vilas.....	El Paso.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	David Konkel.	
Wayne.....	Custer.....	7,864	18	40.4	-5.1	81	2	15	21	59	0.57	-0.72	0.44	4.0	3	17	5	8	sw.	J. C. Groff.
Westcliffe.....	Chaffee.....	9,765	2	.....	.....	.....	.....	.....	.....	0.45	.....	0.20	8.0	3	21	5	4	s.	Zack Jordan.	
Woodman Sanatorium.....	El Paso.....	.....	.....	52.7	.....	81	1†	24	21†	38	0.62	-0.83	0.30	9.0	3	4	22	4	nw.	John G. Payne.
Wortman.....	Lake.....	11,250	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Woodman Sanatorium.	
<i>New Mexico.</i>																				
Abbott.....	Mora.....	5,771	3	.....	.....	.....	.....	.....	.....	1.49	-0.37	0.61	0	4	23	2	5	w.	Agent E. P. & S. W. R. R.	
Albert.....	Union.....	4,700	22	64.6	-8.4	94	2	36	24†	40	1.46	.....	1.08	0	7	5	25	0	nw.	Andrew Knell.
Aurora.....	Colfax.....	8,849	3	.....	.....	.....	.....	.....	.....	1.79	+0.20	1.10	0	5	15	8	7	sw.	Miss J. Lucero.	
Bell Ranch.....	San Miguel.....	4,500	13	64.6	.....	98	2	34	28	45	0.85	.....	0.43	0	2	11	18	1	w.	C. M. O'Donel.
Black Lake.....	Colfax.....	8,348	3	.....	.....	.....	.....	.....	.....	1.97	.....	0.99	0	5	14	10	6	ne.	Ralph T. Martinez.	
Cabeza.....	San Miguel.....	5,406	3	.....	.....	SS	2†	36	19	.....	1.93	.....	1.93	0	2	24	5	1	sw.	Agent E. P. & S. W. R. R.
Campana.....	.....	4,493	3	67.3	.....	94	2†	38	26	42	1.93	.....	1.54	0	3	9	17	4	w.	Alfredo Lucero.
Chacon.....	Mora.....	9,000	3	.....	.....	84	2	23	26	50	1.44	.....	0.99	0	4	16	6	8	w.	Capt. William French.
Cimarron (near).....	Colfax.....	6,385	8	56.0	.....	.....	.....	.....	.....	1.44	.....	0.99	0	4	16	6	8	w.	Dr. W. W. Chilton.	
Clayton.....	Union.....	5,178	7	.....	.....	97	2	35	27	57	3.72	.....	1.48	0	9	15	15	0	sw.	John H. Barry.
Clovis.....	Curry.....	4,129	1	.....	.....	97	2	35	27	57	0.75	.....	1.48	0	3	19	1	10	sw.	Agent E. P. & S. W. R. R.
Cerro.....	Guadalupe.....	4,849	3	63.0	.....	89	2†	36	29	41	0.93	.....	1.48	0	3	19	1	10	sw.	Agent E. P. & S. W. R. R.
Dawson.....	Colfax.....	6,306	3	58.6	.....	92	4	30	26	46	0.70	.....	1.48	0	3	19	10	6	nw.	Do.
Elizabethtown.....	.....	8,485	7	49.1	.....	76	6	8	23	57	1.06	.....	1.48	0	3	18	10	2	nw.	Miss M. Carrington.
Folsom.....	Union.....	6,399	12	55.3	-5.1	85	1†	27	25	45	1.19	-0.97	0.86	T	3	18	3	9	sw.	David Rose.
Fort Union.....	Mora.....	6,835	52	53.4	-7.2	80	3†	22	22†	48	0.80	-1.32	0.45	0	4	22	4	4	sw.	M. C. Needham.
Hayden.....	Union.....	4,444	2	62.4	.....	93	2	33	30	48	1.47	.....	0.63	0	7	13	13	4	sw.	James B. Dickson.
Hoosier Ranch.....	Mora.....	.....	1	.....	.....	93	2	33	26	45	0.92	.....	0.61	0	4	14	14	2	sw.	Wm. H. Guthman.
Johnson's Park.....	Colfax.....	6,722	3	.....	.....	93	2	36	26	45	0.99	.....	0.75	0	3	17	7	6	sw.	A. J. Meloche, jr.
Johnson's Ranch.....	Karns.....	5,754	1	.....	.....	93	2	36	26	45	0.92	.....	0.54	0	3	19	10	1	.....	J. W. Johnson.
Lake Alice.....	Colfax.....	4,010	1	.....	.....	93	2	36	26	45	1.49	.....	0.57	0	3	21	2	7	sw.	Anthony Kappus.
Logan.....	Quay.....	3,851	6	66.3°	.....	96	2	31	26	45	0.8									

TABLE 1.—Climatological data for September, 1912. District No. 7—Continued.

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				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeted.	Number of rainy days, 0.1 in or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
Kansas—Continued.																					
Oswego.	Labette.	899	18	70.2	-1.8	100	10	35	26	36	1.45	-1.92	0.89	0	4	18	4	8	SW.	Jas. M. Curran.	
Plains.	Meade.	2,766	2	66.6	-	96	1†	36	27	36	1.74	-	0.70	0	5	12	14	4	S.	E. J. Henning.	
Pratt.	Pratt.	1,950	17	68.5	-1.1	106	1	34	26	42	3.17	+ 0.81	1.30	0	6	15	14	1	S.	T. J. Arnold.	
Richfield.	Morton.	1	63.4	-4.8	98	1	27	25	43	0.81	-1.34	0.49	0	6						M. J. Allen.	
Rome.	Sumner.	26	69.3	-1.7	100	6†	30	26	40	4.62	+ 1.95	2.35	0	7	19	5	6	S.	D. M. Adams.		
Sedan.	Chautauqua.	834	27	70.7	-1.0	102	6†	30	27	45	1.89	+ 1.94	1.07	0	6	15	6	9	S.	A. Y. Buckles.	
Toronto.	Woodson.	1,040	15	69.2	-0.9	105	6†	31	26	41	3.62	-1.76	2.24	0	3	15	8	6	S.	M. A. Webb.	
Ulysses.	Grant.	3,050	21	63.3	-6.0	98	2	29	25	42	1.92	+ 0.13	0.84	0	5	7	11	12	SE.	T. W. Marshall.	
Walnut.	Crawford.	940	10	100 ^b	7†	34	26	37 ^b					0	0	19 ^b	2 ^b	1 ^b	SW.	R. C. Harlan.		
Wellington.	Sumner.	1,225	16	70.4	-0.3	102	1†	30	26	41	3.60	+ 0.51	1.88	T.	7	11	8	11	S.	E. O. Kelly.	
Wichita.	Sedgwick.	1,377	25	67.7	-2.1	97	8	37	30	30	3.36	+ 0.23	1.65	0	8	16	6	8	S.	U. S. Weather Bureau.	
Winfield.	Cowley.	1,124	18	69.2	-1.5	97	6†	32	26	40	2.16	-1.08	1.10	0	3	23	4	3	S.	M. B. Light.	
Yates Center.	Woodson.	1,068	33																	J. W. Tipton.	
Oklahoma.																					
Ada.	Pontotoc.	1,001	4	73.2	-	100	6†	39	26	39	2.39	-	1.45	0	4	20	6	4	N.	W. S. Creveting.	
Alva.	Woods.	1,350	7	70.0	-	102	S†	32	26	39	4.50	-	2.35	0	4	9	15	6	S.	S. A. Stech.	
Apache.	Caddo.	1,255	2	71.7	-	101	8	31	26	45	1.09	-	0.61	0	5	23	4	3	SW.	G. D. Teeter.	
Arapaho.	Custer.	1,575	18	71.6	-2.3	102	8	35	26	40	1.27	-	1.57	0	3	21	4	5	S.	J. C. Brower.	
Ardmore.	Carter.	872	10	75.0	-1.3	103	8	41	26	36	1.66	-	1.71	0	3	13	12	5	N.	H. T. Nisbett.	
Arnett.	Ellis.	2,136	8	71.1	-	104	7†	35	26	39	2.17	-	1.37	0	4	20	4	6	S.	C. H. Holmes.	
Bartlesville.	Washington.	657	4	71.1	-	104	7†	35	26	39	2.17	-	1.20	0	5	23	0	7	S.	Dr. A. P. Owens.	
Beaver.	Beaver.	2,500	15	64.6 ^b	-7.1	98	1†	32	-	41 ^b	2.86	+ 0.80	1.24	0	8	17	6	7	S.	W. C. Frazer.	
Blackburn.	Pawnee.	800	10	72.1	-	101	6†	35	26	40	1.45	-	0.83	0	5	19	4	7	S.	M. M. Rhodes.	
Cache.	Comanche.	1,350	8	69.0	-	99	7†	32	26	43	2.26	-	2.00	0	2	21	5	4	N.	Mr. Frank Rush.	
Calvin.	Hughes.	713	7	72.1	-	101	6†	35	26	40	2.70	-	1.20	0	5	23	0	7	S.	Thomas Purell.	
Chandler.	Lincoln.	865	10	72.1	-2.5	101	8	35	26	40	1.45	-	0.51	0	5	19	4	7	S.	Chas. L. Kern.	
Chattanooga.	Comanche.	1,150	6	72.2	-	100	8	35	26	42	1.25	-	0.95	0	2	19	7	4	SE.	Squire Hubble.	
Chickasha.	Grady.	1,091	10	72.2	-2.7	102	8	32	26	42	2.26	-	2.00	0	2	21	5	4	N.	J. C. Good.	
Cloud Chief.	Washita.	1,400	10	72.2	-2.7	102	8	32	26	42	1.70	-	0.63	0	3	16	7	7	N.	J. P. Stutzman.	
Crawford.	Rover Mills.	692	4	95	4	104	6†	34	26	38	0.76	-	0.56	0	3	20	4	6	S.	W. W. Blackburn.	
Durant.	Bryan.	643	10	75.0	-0.5	101	6†	44	26	43	0.16	-	2.42	0.11	0	3	22	5	3	S.	Nelson Houk.
Eldorado.	Jackson.	1,456	5	72.0	-	101	1	35	26	38	3.85	-	2.46	0	5	16	13	1	SE.	T. W. Lanham.	
Elk City.	Beckham.	69.2	9	97	9	100	35	26	41	2.50	-	2.10	0	3	15	15	0	6	S.	R. J. Carlisle.	
El Reno.	Canadian.	1,400	20	72.2	+ 0.2	103	S†	36	26	46	1.55	-	1.45	1.28	0	3	20	3	7	SW.	Rose E. Walker.
Enid.	Garfield.	1,269	10	72.5	-1.3	104	7†	35	26	43	3.32	+ 0.29	1.50	0	7	21	2	7	S.	Urt B. Worcester.	
Erick.	Beckham.	2,058	7	70.8	-	102	10	32	26	43	4.53	-	3.93	0	4	15	10	3	S.	A. W. Haines.	
Eufaula.	McIntosh.	566	12	72.6	-	101	7†	34	27	42	0.93	-	0.40	0	4	21	4	5	S.	R. Uhl Brown.	
Fairland.	Ottawa.	839	12	71.8	-1.4	104	7†	35	26	38	3.30	+ 0.41	1.70	0	5	17	6	7	S.	C. W. Prier.	
Fort Gibson.	Muskogee.	556	7	74.0	-	102	8	34	26	42	2.84	-	0.93	0	4	23	2	5	S.	John T. Welsh.	
Frederick.	Tillman.	1,293	5	74.0	-	102	8	34	26	37	2.24	-	1.03	0	4	17	11	2	S.	B. B. Bradley.	
Geary.	Blaine.	1,546	7	72.5	-	101	7†	33	26	40	1.16	-	0.69	0	4	19	6	5	S.	O. P. Ruth.	
Goodwell.	Texas.	3,300	1	65.8	-	94	7†	35	25†	39	2.63	-	1.40	0	9	19	2	9	S.	S. W. Black.	
Guthrie.	Logan.	1,000	19	72.9	-1.2	103	6†	31	26	42	1.87	-	1.21	0.80	0	3	22	0	8	S.	S. E. Snyder.
Guymon.	Texas.	3,133	2	72.6	-	100	1	30	26	45	2.13	-	1.05	0	8	11	7	12	SW.	A. L. Mordt.	
Hartshorne.	Pittsburgh.	700	13	76.2	-1.2	102	7†	41	26	45	1.45	-	1.51	0.71	0	4	23	6	1	S.	Frank Webber.
Headton.	Carter.	900	13	71.0	-4.7	103	8	34	26	48	2.52	+ 0.35	1.63	0	3	18	11	1	SE.	C. H. Head.	
Helena.	Alfalfa.	1,396	4	72.4	-	100	35	26	43 ^b	1.54	-	0.84	0	6	12 ^b	12 ^b	4 ^b	S.	R. E. Ellis.		
Hennessey.	Kingfisher.	1,166	17	72.2	-2.4	105	35	26	40	2.42	-	0.52	0.93	0	4	16 ^a	12 ^a	1 ^a	S.	Mrs. M. C. Parks.	
Hobart.	Kiowa.	1,396	9	71.6	-	99	8	41	22†	37	0.88	-	0.43	0	3	11	17	2	S.	Rev. J. E. Black.	
Holdenville.	Hughes.	900	11	73.0	-0.9	101	7†	38	26	36	1.69	-	2.40	0.70	0	4	22	6	2	N.	Eula L. Rutherford.
Hooker.	Texas.	3,033	6	65.5	-	100	1	30	26	45	1.95	-	1.19	0	6	12	2	16	S.	H. N. Kelly.	
Hurley.	Cimarron.	4,200	4	70.8	-3.0	90	1†	34	26	46	2.40	-	0.77	1.50	0	3	9	9	12	SW.	Dr. C. W. Meyers.
Idabel.	McCurdy.	474	3	72.4	-	102	7†	35	26	43 ^b	1.54	-	0.84	0	4	18	9	3	N.	M. L. Henderson.	
Jefferson.	Grant.	1,062	18	68.7	-4.6	106	1†	31	25	38	1.77	-	1.24	0.76	0	4	18	9	3	S.	T. E. Beck.
Kenton.	Cimarron.	4,000	11	62.2	-6.1	93	1†	32	26	46	1.87	+ 0.21	0.80	T.	0	8	14	8	8	S.	Wm. Guy.
Kingfisher.	Kingfisher.	1,046	15	72.2	-2.4	102	7†	29	26	48	1.55	-	1.65	0.77	0	4	8	16	6	S.	J. C. Cross.
Lawton.	Comanche.	1,111	15	76.4	-	106	7	41	26	40	1.09	-	2.14	0.88	0	4	22	4	4	S.	F. C. Davis.
McAlester.	Pittsburgh.	688	15	74.4	-	106	8	30	26	49	1.24	-	1.30	1.24	0	1	21	1	8	S.	Wm. Noble.
Mangum.	Greer.	1,585	19	71.3	-3.4	102	8	34	26	44	0.75	-	1.61	0.32	0	4	20	3	7	SE.	F. D. Dodson.
Marlow.	Stephens.	1,292	11	72.3	-1.5	100	6†	39	26	40	2.17	-	1.37	0.82	0	5	19	3	8	SE.	Wm. B. Anthony.
May.	Harper.																			G. C. Gray.	
Meeker.	Lincoln.	1,030	18	72.9	-1.8	103	8	30	26	49	1.24	-	1.30	1.24	0	1	21	1	8	S.	Dr. J. H. Baugh.
Muskogee.	Muskogee.	614	13	74.2	-0.2	104	7	37	26	37	2.22	-	0.56	1.30	0	5	20	3	7	N.	J. Harry Randall.
Mutual.	Woodward.	4	70.2	-	103	10	28	26	46	1.39	-	0.50	0	3	17	4	9	9	S.	Thomas Martin.	
Neola.	Caddo.	1,500	6	71.8	-	102	8	30	26	44	0.72	-	0.48	0	3	18	9	3	SE.	R. N. Schooling.	
Newkirk.</																					

TABLE I.—Climatological data for September, 1912. District No. 7—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
Missouri.																				
Belle.	Maries.	21	70.3	+ 0.1	99	6†	41	19†	35	2.97	- 0.75	1.03	0	4	7 ^c	13 ^e	7 ^e	s.	A. J. Wofford.	
Birchtree.	Shannon.	1,200	69.8	- 0.1	98	7	40	19†	35	4.19	+ 1.01	1.90	0	4	25	0	5	nw.	V. H. Kirkendall.	
Cardwell.	Dunklin.	2	72.8	-	99	5†	41	27	41	2.77	-	1.65	0	4	19	9	2	nw.	E. M. Perry.	
Caruthersville.	Pemiscot.	22	76.4	+ 3.7	102	6†	47	27†	35	1.49	- 1.69	0.70	0	4	26	1	3	e.	H. E. Averill.	
Cassville.	Barry.	2	67.4	-	100	7	32	26	44	4.30	-	1.85	0	6	22	4	4	s.	Mrs. Zuma Bloomer.	
Dean.	McDonald.	14	69.0	- 2.6	102	7	32	26	42	3.97	+ 0.87	0.7	0	7	20	3	7	s.	H. E. Dean.	
Doniphan.	Ripley.	440	71.0	-	97	7	41	27†	37	4.84	-	2.15	0	6	22	1	7	s.	W. W. Martin.	
Gano.	Dent.	10	71.1	+ 0.4	99	8†	36	30	33	4.70	+ 0.17	1.90	0	7	21	4	5	s.	A. C. Leech.	
Goodland.	Iron.	900	68.0	-	101	7	34	27	42	4.86	-	2.36	0	4	16	8	6	s.	F. M. Adams.	
Hollister.	Taney.	1,000	70.0	-	100	7	40	27†	35	5.75	+ 2.26	0.85	0	7	16	0	14	ne.	W. P. Chapman.	
Ironton.	Iron.	925	68.4	+ 0.7	99	6†	32	27	45	5.75	-	2.75	0	5	13	13	4	n.	W. H. Delano.	
Jackson.	Cape Girardeau.	458	69.7	- 0.1	102	6	40	27	39	3.37	- 0.22	0.97	0	6	18	6	6	s.	L. M. Bean.	
Joplin.	Jasper.	979	71.1	- 1.5	98	5†	39	27†	42	4.25	+ 0.96	1.80	0	6	18 ^b	3 ^b	3 ^b	s.	Joplin High School.	
Koshkonong.	Oregon.	911	13	72.0	- 1.0	98	6†	42	30	3.27	- 0.80	1.05	0	5	18	9	3	ne.	J. W. Hitt.	
Lamar.	Barton.	904	72.4	- 1.0	102	7	35	30	39	3.30	- 1.83	0.80	0	7	21	2	7	s.	E. H. Adams.	
Marble Hill.	Bollinger.	420	72.6	- 1.3	102	6†	39	30	38	4.00	+ 0.32	1.25	0	6	18 ^c	7 ^c	2 ^c	s.	A. F. Hendrix.	
Mountaintrove.	Wright.	1,490	68.8 ^d	- 0.2	98	7	37	26	32	5.93	+ 2.25	2.95	0	5	20 ^d	24 ^d	4 ^d	se.	Mo. Fruit Exp. Sta.	
Mount Vernon.	Lawrence.	1,480	70.0	- 1.7	101	7†	35	25	39	2.67	- 0.85	1.12	0	4	23	2	5	sw.	J. R. White & Son.	
Neosho.	Newton.	1,023	69.0	- 1.4	101	7	32	26	40	3.28	- 0.81	2.28	0	6	22	2	2	s.	W. O. Buck.	
New Madrid.	New Madrid.	285	19	-	102	6†	36	26	33	2.93	- 0.06	2.46	0	5	10	15	5	se.	Miss Josie Smith.	
Oakfield.	Franklin.	793	21	70.7	+ 0.1	102	6†	36	26	35	-	0.66	0	7	19 ^e	5 ^e	3 ^e	s.	E. E. Steines.	
Olden.	Howell.	1,246	70.8	+ 0.8	99	7	38	29 ^b	33	5.45	+ 0.40	2.75	0	8	21	2	7	se.	J. D. Evans.	
Rolla.	Phelps.	1,139	69.0	+ 1.7	97	7†	38	29 ^b	33	5.32	+ 1.52	1.89	0	7	20	5	5	se.	Prof. P. J. Wilkins.	
Springfield.	Greene.	1,350	68.7	+ 0.8	97	7	39	30	32	4.13	+ 0.37	2.09	0	7	20	5	5	se.	U. S. Weather Bureau.	
Kentucky.																				
Blandville.	Ballard.	445	31	72.0	+ 1.0	97	6	43	27†	32	2.79	- 0.19	1.05	0	10	15	12	3	ne.	E. W. Horr.
Tennessee.																				
Arlington.	Shelby.	30	72.0	+ 0.4	94	8	45	27†	36	1.84	- 0.52	0.90	0	4	23	1	6	n.	A. Thomas B. Etheridge.	
Bolivar.	Hardeman.	450	72.8	+ 0.9	94	7†	42	30	34	2.89	0.00	1.12	0	6	23	0	7	n.	Miss Mary A. Smith.	
Brownsville.	Haywood.	361	72.8	+ 0.4	95	6†	43	27	33	2.44	- 0.15	1.45	0	7	22	5	3	ne.	Miss Hattie N. Moses.	
Covington.	Tipton.	311	72.8	+ 0.2	93	7†	46	27	29	1.68	- 0.95	0.75	0	4	25	0	5	n.	James S. Ruffin.	
Dyersburg.	Dyer.	310	72.9	+ 1.9	96	3†	44	27	31	2.40	- 0.55	1.70	0	3	24	0	6	ne.	Miss Martha A. Sinclair.	
Jackson.	Madison.	450	74.8 ^f	+ 1.9	102	4†	46	30	42 ^f	-	-	0	-	-	-	-	-	-	Shelby A. Robert.	
Kenton.	Obion.	325	10	-	101	7	40	27†	32	2.79	- 0.19	1.05	0	10	15	12	3	ne.	George S. Martin.	
Memphis.	Shelby.	406	74.2	+ 1.4	94	7	47	30	27	2.05	- 1.00	0.90	0	8	20	5	5	n.	U. S. Weather Bureau.	
Milan.	Gibson.	440	72.2	+ 0.5	95	8†	44	27	34	1.56	- 1.35	0.95	0	3	20	3	7	s.	Orlando F. Cantwell.	
Trenton.	do.	345	73.7	+ 2.7	100	7†	39	27	48	1.34	- 1.66	0.65	0	5	26	2	2	sw.	F. L. Dennison.	
Union City.	Obion.	360	14	-	100	7†	39	27	48	-	-	-	-	-	-	-	-	-	J. S. Kimzey.	
Arkansas.																				
Alicia.	Lawrence.	8	74.1	+ 1.0	98	6	44	19†	34	3.80	-	2.00	0	4	26	2	2	nw.	McCullough & Guelck.	
Amity.	Clark.	250	74.4	-	100	7	45	23	36	1.55	- 1.23	1.25	0	3	-	-	-	e.	J. W. Campbell.	
Arkadelphia (near).	do.	250	74.4	-	96	7	49	23†	32	3.69	-	1.87	0	4	27	0	3	sw.	J. A. Ross.	
Arkansas City (near).	Desha.	145	29	-	101	7	49	23†	32	3.69	-	2.50	+ 0.13	1.05	0	6	-	-	w.	W. C. Blundell.
Batesville.	Independence.	271	7	-	101	7	49	23†	32	3.69	-	2.38	-	-	1.30	0	6	-	-	Lelia L. Teter.
Bee Branch.	Van Buren.	20	75.4	+ 1.6	106	6†	45	23	42	2.28	- 0.79	1.20	0	4	15	12	3	-	J. E. Scanlan.	
Benton.	Saline.	283	74.7	-	102	6†	42	27	46	1.11	-	0.75	0	2	-	-	-	s.	P. P. Jackson.	
Bentonville.	Benton.	1,303	76.6	+ 0.7	98	7	37	26	32	2.80	- 0.67	1.70	0	4	19	6	5	s.	U. S. Weather Bureau.	
Bergman.	Boone.	1,324	66.9	- 2.1	100	11	32	26†	42	3.71	+ 0.15	1.73	0	3	17	7	6	sw.	John T. Maxey.	
Black Rock.	Lawrence.	259	8	-	101	5†	43	27	40	5.33	+ 2.74	3.26	0	6	-	-	-	s.	S. J. Howe.	
Brinkley.	Monroe.	226	76.5	+ 3.3	101	5†	43	27	40	5.33	+ 2.74	3.26	0	6	-	-	-	s.	H. L. D. Whitson.	
Calico Rock.	Iizard.	361	8	-	101	5†	43	27	40	5.33	-	2.40	0	3	-	-	-	s.	W. H. Stoner.	
Camden.	Ouachita.	158	75.0	+ 0.6	97	6†	48	23†	38	1.63	- 1.72	1.19	0	3	20	4	6	ne.	R. K. Quarterman.	
Centerpoint.	Howard.	470	12	77.0	+ 0.3	101	7	48	23	33	1.50	- 3.06	1.10	0	3	21	6	3	sw.	J. M. Huddleston.
Clarendon.	Monroe.	171	8	-	101	7	48	23	33	1.95	-	0.90	0	6	-	-	-	s.	Mrs. B. E. Bishop.	
Conway.	Faulkner.	309	29	74.6	+ 1.3	101	7†	44	27	35	3.56	0.00	1.50	0	7	22	6	2	s.	G. H. Burr.
Corning.	Clay.	293	20	72.9	+ 2.0	97	6	42	23	36	2.19	- 1.50	1.10	0	3	15	11	4	s.	Jacob Brobst.
Dardanelle.	Yell.	330	26	73.9	-	100	6†	41	27	37	2.90	- 0.17	1.68	0	6	-	-	-	s.	A. Bernard.
Dodd City.	Dodd.	1,175	31	71.1	- 0.5	100	8	37	27	38 ^e	3.14	- 0.62	1.80	0	2	-	-	-	s.	Neal Dodd.
Dumas.	Desha.	250	8	-	101	7	43	27	40	2.70	-	1.10	0	4	25	5	0	sw.	Lawrence Waterman.	
Dutton.	Madison.	10	69.9	-	103	7	32	27	47	4.43	-	1.97	0	5	19	7	4	s.	J. M. Ricketts.	
Eldorado.	Union.	265	8	76.0	-	99	7	50	36	34	1.75	-	0.87	0	5	-	-	-	s.	Jeff J. Babb.
England.	Lonoke.	6	74.8	-	98	7†	45	24	42	0.45	-	0.25	0	2	-	-	-	s.	J. C. Chenault.	
Eureka Springs.	Carroll.	1,465	73.2	+ 1.3	104	7†	36	26	44	2.53	- 1.31	1.64	0	3	12	13	5	sw.	George W. Nichoalds.	
Fayetteville.	Washington.	1,451	23	71.6	+ 0.4	100	7†	39	26	36	3.34	- 0.24	1.70	0	5	13	12	5	sw.	University of Arkansas.
Fordyce.	Dallas.	75.6	-	97	7	49	27	35	1.65	-	1.45	0	3	8	15	7	sw.	A. Tredick.		
Fort Smith.	Sebastian.	481	30	75.1	+ 2.4	101	7	46	27											

TABLE 1.—Climatological data for September, 1912. District No. 7—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.		Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.		Greatest in 24 hours.	Total snow fall unmeted.	Number of rainy days 0.01 inch or more.	Number of clear days.		
					Highest.	Date.							Total.	Departure from the normal.	Greatest in 24 hours.	Total snow fall unmeted.	Number of rainy days 0.01 inch or more.	Number of clear days.		
Arkansas—Continued.																				
Subiaco.	Logan.	1,050	15	76.4	+ 1.6	102	7	44	27	50	1.21	- 1.96	0.70	0	3	19	3	8	s.	
Swain.	Newton.	2,300	1	70.6 ^b	+ 0.4	94	7†	41	26	25 ^c	5.23	- 2.74	0	0	4	4	4	4	New Subiaco Abbey.	
Texarkana.	Miller.	332	28	77.6	+ 1.2	104	7	49	23	37	0.70	- 2.21	0.35	0	3	3	3	D. E. Moore.		
Warren.	Bradley.	304	17	76.6	+ 1.0	101	5	49	24†	39	1.70	- 1.74	1.15	0	3	3	3	W. J. Savage.		
Whitecliffs.	Little River.	206	8	73.0	- 0.9	102	6	39	27	41	0.33	- 0.33	0	0	1	1	1	John E. Payton.		
Wiggs.	Garland.	19	74.8	73.0	- 0.9	102	6	39	27	41	1.22	- 2.47	0.45	0	5	7	10	S. D. Jester.		
Wynne.	Cross.	250	4	74.8	.....	98	4†	42	27	37	2.08	.....	1.06	0	7	7	7	John Seals.	
Mississippi.																				
Anguilla.	Sharkey.	107	4	76.7	.....	95	4†	51	30	31	1.47	.....	0.65	0	4	18	7	5	E. W. Cook.
Austin.	Tunica.	200	16	74.8	+ 1.1	98	4	47	30	34	3.34	- 0.13	1.42	0	7	23	3	4	H. J. Irvine.	
Batesville.	Panola.	230	25	75.6	+ 2.4	101	8	48	30	38	3.59	+ 0.50	1.55	0	4	21	1	8	J. M. Cox.	
Big Creek.	Calhoun.	22	2	78.2	+ 2.5	98	4†	55	30	30	3.05	+ 0.03	2.05	0	8	8	16	6	J. P. Havens.	
Charleston.	Madison.	228	23	77.4	.....	102	8†	47	30	40	4.18	.....	1.45	0	4	20	3	7	W. B. Burke.
Clarksville.	Coahoma.	177	5	74.8	.....	97	8†	46	28	34	2.20	.....	1.47	0	4	20	3	7	A. C. Tuttle.
Cleveland.	Bolivar.	160	1	76.0	.....	98	4†	46	28	34	0.74	.....	0.65	0	2	28	1	1	W. W. Boone.
Coffeeville.	Yalobusha.	241	3	75.0	+ 2.6	98	4†	48	27	33	2.00	.....	1.02	0	4	16	12	2	C. K. Bailey.
Corinth.	Alcorn.	470	24	75.0	+ 2.6	98	4†	48	27	33	3.82	+ 1.01	1.96	0	7	21	3	6	M. A. Candler.	
Crenshaw.	Panola.	187	3	76.6	+ 1.9	100	4	48	30	36 ^a	6.52	+ 3.43	2.03	0	7	28	2	0	Mrs. A. L. Fitzgerald.	
Duck Hill.	Montgomery.	222	13	79.8	+ 2.9	99	7	56	30	32	1.05	- 2.17	0.80	0	3	28	2	0	W. H. Eskridge.	
Edwards.	Hinds.	225	26	79.8	+ 2.9	99	7	56	30	32	1.05	- 2.17	0.80	0	3	28	2	0	E. F. Farr.	
Fayette.	Jefferson.	270	11	78.0	+ 2.3	101	5	52	30	33	3.97	+ 0.92	2.57	0	3	23	0	7	ne.	
Greenville.	Washington.	126	25	78.0	+ 2.3	101	5	52	30	33	3.97	+ 0.92	2.57	0	3	23	0	7	ne.	
Greenwood.	Leflore.	140	12	77.5	+ 2.6	101	4†	50	30	35	3.31	+ 0.16	1.38	0	6	21	1	7	J. H. Stephen.	
Grenada.	Grenada.	194	3	76.6	+ 1.6	98	5	52	27	31	6.11	1.75	0	9	8	18	5	7	E. A. Jones.
Hernando.	De Soto.	391	24	75.1	+ 1.0	97	4	46	27†	35	2.22	.....	0.70	0	8	24	2	4	W. F. Wood.
Hickory Flat.	Benton.	435	3	73.4	+ 0.3	94	8†	46	30	30	5.52	.....	2.00	0	7	20	8	2	H. Powell.
Holly Springs.	Marshall.	600	25	73.4	+ 0.3	94	8†	46	30	30	5.24	- 0.53	0.88	0	8	24	2	4	L. B. Mosby.	
Kosciusko.	Attala.	430	22	76.6	+ 1.6	98	5	52	27	31	6.11	.....	0.80	0	8	18	5	7	E. L. Lucas.
Malone.	Marshall.	3	76.6	.....	98	4†	46	27	35	2.22	.....	1.75	0	9	9	9	9	M. J. Wilkins.	
Natchez.	Adams.	206	24	79.3	+ 1.9	98	10†	60	19†	34	1.66	- 1.78	1.66	0	1	22	0	8	F. L. Garrity.	
New Albany.	Union.	398	3	76.0	.....	98	4†	52	30	30	5.77	+ 2.70	4.00	0	6	12	18	0	H. Marshall.
Pontotoc.	Pontotoc.	475	23	75.2	+ 1.5	96	8	50	30	30	5.77	+ 2.70	4.00	0	6	12	18	0	Dr. C. W. Bolton.	
Port Gibson.	Claiborne.	116	24	78.0	+ 2.2	98	5†	56	24	34	0.23	- 2.90	0.17	0	3	17	4	9	H. H. Crisler.	
Rosedale.	Bolivar.	143	4	75.0	.....	98	8	49	30	35	1.72	.....	1.20	0	3	22	1	7	T. J. Murray.
Senatobia.	Tate.	284	3	76.5	.....	98	8	51	30	30	3.49	.....	1.27	0	6	4	25	1	C. Brickell.
Shoecoe.	Madison.	9	76.5	.....	98	4	52	30	30	2.67	- 0.69	1.51	0	5	21	3	6	J. C. Pitchford.	
Suffolk.	Franklin.	11	79.7	+ 0.9	99	5†	60	19†	30	1.95	- 1.96	1.27	0	5	16	6	6	Prof. Geo. H. Kent.		
Swan Lake.	Tallahatchie.	148	7	76.0	.....	98	8	52	24	37	3.49	.....	1.27	0	6	4	25	1	S. D. Robinson.
University.	Holmes.	130	7	77.3	+ 3.0	94	5	55	30	34	3.08	.....	0.48	0	6	19	4	7	Prof. M. P. Winkler.
Utica.	Hinds.	287	8	79.2	.....	98	15	56	30	30	1.13	.....	0.48	0	6	19	4	7	Dr. J. B. Dudley.
Vicksburg.	Warren.	247	41	77.3	+ 3.0	94	5	55	30	34	0.26	- 3.08	0.13	0	3	17	7	6	n.	
Water Valley.	Yalobusha.	300	23	75.9	+ 1.2	99	8	48	30	30	3.19	- 0.24	0.80	0	6	17	10	3	Miss Loule Erikson.	
Woodville.	Wilkinson.	560	19	79.0	+ 1.8	98	8	60	27	26	0.70	- 2.83	0.29	0	6	21	7	2	James E. Lee.	
Yazoo City.	Yazoo.	116	18	76.8	+ 0.3	96	4	53	30	30	3.70	+ 0.99	2.40	0	3	22	2	6	W. H. Courts.	
Louisiana.																				
Abbeville.	Vermilion.	18	24	80.1	+ 1.9	98	4	63	25	24	2.28	- 2.00	1.69	0	8	14	8	8	se.	
Alexandria.	Rapides.	77	24	78.8	+ 1.5	99	4†	51	30	32	1.10	- 1.86	0.75	0	3	17	2	11	n.	
Amite.	Tangipahoa.	130	24	79.8	+ 2.5	99	5	62	24	28	4.22	- 0.55	1.65	0	6	8	22	0	n.	
Antioch.	Claiborne.	7	79.2	.....	101	9	51	30	37	1.68	.....	0.67	0	3	24	0	6	ne.	
Avoca Island.	St. Mary.	1	76.0	.....	98	4†	61	24	29	2.64	.....	0.80	0	8	18	0	12	W. L. Anglin.	
Baton Rouge.	East Baton Rouge.	60	24	80.3	+ 2.5	99	5†	64	24	27	2.63	+ 2.44	2.10	0	9	23	1	6	Elmo M. Bott.	
Burnside.	Ascension.	20	12	81.0	+ 3.6	100	5	62	24	30	5.47	+ 0.10	4.00	0	5	7	23	1	6	C. S. McFarland.
Burrwood.	Plaquemines.	1	24	82.4	+ 2.1	99	5	70	22	20	17.00	+ 10.84	2.92	0	13	15	6	7	Graham Myers.	
Cades.	St. Martin.	2	80.0	.....	98	4†	61	24	29	1.22	.....	0.36	0	5	19	4	7	C. E. Smedes.	
Cathoum.	Ouachita.	180	24	77.2	+ 1.9	98	9	52	24	37	1.65	- 1.61	0.98	0	4	6	11	13	North Louisiana Exp. Sta.	
Cameron.	Cameron.	6	19	77.0	- 2.5	99	12	56	27	34	2.11	- 3.21	0.96	0	5	10	19	1	s.	
Carrollton.	Rapides.	67	24	79.1	+ 2.2	98	10	59	24	34	1.42	- 1.49	0.75	0	3	18	3	9	Walter I. Tanner.	
Cheneyville.	West Baton Rouge.	2	80.3	.....	99	5	60	30	26	3.60	.....	1.80	0	8	17	5	8	Cinclare Central Factory.	
Clinton.	East Feliciana.	113	24	78.7	+ 2.0	98	5†	61	24	24	2.85	- 1.12	0.70	0	8	11	15	4	John A. White.	
Collinston.	Morehouse.	65	11	77.8	+ 1.0	99	3†	49	26	40	1.51	- 1.82	0.60	0	4	15	9	6	John B. Reily.	
Columbia.	St. Tammany.	39	20	81.0	+ 3.2	99	4†	66	24†	28	5.99	+ 1.49	1.54	0	13	17	2	11	H. W. Blanks.	
Covington.	Winn.	3	78.8	.....	99	8†	54	24	38	0.58	.....	0.39	0	3	14	14	8	Cecile P. Champagne.	
Dodson.	Ascension.	33	24	82.4	+ 3.6	100	5	65	24	38	5.65	+ 1.05	2.30	0	7	22	0	8	J. P. Lucas.	
Dutchtown.	do.	1	76.0	.....	98	4†	61	27	29	2.19	.....	2.00	0	9	11	19	0	ne.	
Farmerville.	Union.	177	24	76.0 ^a	+ 0.4	97	9	50	30											

Climatological data for September, 1912, district No. 7—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days, 0.01 inch or more.				
<i>Louisiana—Continued.</i>																			
Monroe.	Ouachita.	82	24	77.9	+ 2.2	97	6	54	24†	33	1.57	- 1.39	0.55	0	7	10	5	ne.	Kathryn Key.
Morgan City.	St. Mary.	14	6								1.60	- 0.45		0	10	13	4	n.	V. E. Kinsey.
Newellton.	Tensas.	5																	John D. Fultz.
New Iberia.	Iberia.	15	24	80.6	+ 2.6	95	4†	64	24	26	0.75	- 3.74	0.60	0	2	1	15	14	ne.
New Orleans (1).	Orleans.	51	41	82.0	+ 4.0	98	5	70	30	20	3.84	- 0.97	1.77	0	9	5	15	10	ne.
New Orleans (2).	do.	18	24	81.5	+ 3.3	97	5	64	24	27	4.72	- 1.26	1.42	0	12	2	10	18	s.
Opelousas.	St. Landry.	83	20	77.2	- 0.7	93	5†	61	27†	25	2.84	- 0.88	1.31	0	6	14	4	12	n.
Paradis.	St. Charles.	1									1.18	- 0.35		0	5				R. E. Boyce.
Pearl River.	St. Tammany.	29	6								2.54	- 1.02		0	8	19	3	8	w.
Plain Dealing.	Bossier.	268	20	79.2	+ 2.5	101	9	50	24	38*	1.81	- 0.88	1.31	0	4	21	7	2	se.
Rayne.	Arcadia.	44	20	81.4	+ 3.1	99	10	62	24†	35	0.65	- 3.42	0.20	0	5	24	0	6	n.
Reserve.	St. John Baptist.	11		82.6	+ 4.8	102	5	62	24	28	1.18	- 3.65	0.72	0	5	10	11	9	Leon Godchaux Co. (Ltd.).
Richland Plantation.	Rapides.			79.2		98	18	59	27	28	0.88	- 0.73		0	2	23	1	6	A. B. Pendleton.
Robeline.	Nat-hitches.	147	16	77.8	+ 2.2	101	9	52	24	42	1.73	- 1.07	1.70	0	2	23	3	4	Ruby Mc. Cook.
Ruston.	Lincoln.	312	17	79.2	+ 1.4	100	10	52	30	36	0.38	- 2.60	0.28	0	3	25	0	5	s.
St. Francisville.	West Feliciana.	115	9	81.0		101	5†	63	24†	29	4.28	-	1.85	0	9	10	5	15	Andor M. Larson.
S'hriever.	Terrebonne.	17	20	81.2	+ 2.9	100	4	60	20	34	2.50	- 2.57	0.70	0	7	21	1	8	G. W. Newman.
Shreveport.	Caddo.	249	41	77.4	+ 1.7	95	11	55	30	32	1.15	- 2.07	1.15	0	1	22	5	3	Harriet F. Riviere.
Summersport.	A voyells.	42	6								2.38	-	1.21	0	7				U. S. Weather Bureau.
Southern University Farm.	Jefferson.		15								3.84	- 1.00	0.91	0	11	12	6	12	n.
Sugartown.	Calcasieu.		19	80.5	+ 3.1	95	5†	62	20†	26	0.64	- 2.05	0.46	0	2	0	29	1	C. T. Leigh.
Tallulah.	Madison.		91	5	78.8		98	1†	55	30	26	0.49		0	3			F. L. St. Martin.	
Walker.	Livingston.		2	80.0		98	5	60	30	28	3.84	-	0.87	0	9	13	17	0	G. W. Richardson.
Winniboro.	Franklin.																	Neal T. Halt.	
																		H. C. Fondren.	
																		J. C. Carlton.	

*, b, c, etc., indicate respectively 1, 2, 3, etc., days missing from the record.

**Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

† Also on other dates.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for September, 1912.* District No. 7, Lower Mississippi Valley.

TABLE 2.—*Daily precipitation for September, 1912. District No. 7—Continued.*

TABLE 2.—*Daily precipitation for September, 1912. District No. 7—Continued.*

TABLE 2.—*Daily precipitation for September, 1912. District No. 7—Continued.*

TABLE 2.—*Daily precipitation for September, 1912. District No. 7—Continued.*

- * Precipitation included in that of the next measurement.
- + Separate dates of falls not recorded.

† Separate dates of falls not recorded.
|| Precipitation for the 24 hours ending

Precipitation for the 24 hours ending on the morning when it is measured.
T. Precipitation is less than 0.01 inch rain or melted snow.

1. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 3.—Maximum and minimum temperatures at selected stations for September, 1912. District No. 7, Lower Mississippi Valley.

Date.	Colorado.						New Mexico.				Texas.				Kansas.								Oklahoma.							
	Lamar.		Leadville.		Pueblo.		Albert.		Cimarron.		Amarillo.		Paris. ^{ss}		Dodge City.		Ellinwood.		Iola.		Liberal.		Wichita.		Ardmore. ^{ss}		Bartlesville.			
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.				
1.....	96	60	66	37	88	60	93	61	79	53	90	68	93	71	95	71	97	74	97	76	97	70	95	75	97	74	101	75		
2.....	91	60	72	36	85	62	94	60	84	55	92	67	90	71	92	70	93	72	96	69	96	67	95	73	97	76	101	74		
3.....	95	56	69	41	90	56	91	64	80	45	86	64	89	71	94	69	97	73	94	69	95	67	96	74	97	74	101	74		
4.....	95	66	67	36	87	55	92	63	80	44	87	64	91	71	92	69	95	66	94	73	94	69	95	73	98	74	100	74		
5.....	95	70	64	35	87	58	90	63	78	40	87	64	94	68	91	70	96	72	95	70	92	67	95	72	99	73	101	70		
6.....	92	54	70	31	82	52	89	58	81	40	92	62	99	68	94	63	96	66	98	67	96	61	95	72	101	74	103	70		
7.....	96	51	68	35	89	45	92	56	81	42	90	62	98	70	92	65	97	69	98	71	96	61	95	72	101	68	104	70		
8.....	97	61	60	33	89	50	93	59	81	40	90	63	99	69	94	66	99	69	98	68	96	64	97	72	103	68	103	70		
9.....	90	59	53	30	74	56	91	57	78	40	89	66	98	71	91	70	98	69	98	69	90	65	96	73	101	71	104	70		
10....	80	55	61	24	74	50	92	58	79	41	88	67	98	71	88	68	98	65	99	60	87	64	96	72	101	71	103	72		
11....	72	56	63	33	61	55	86	54	69	53	80	62	100	72	73	64	75	67	85	67	80	61	85	69	100	72	93	73		
12....	73	59	66	35	76	57	86	56	73	54	67	62	97	73	68	62	70	61	88	63	88	60	76	64	100	72	95	68		
13....	77	56	58	34	70	54	76	49	67	47	75	60	90	67	72	58	75	62	72	62	75	60	72	64	98	70	74	68		
14....	70	43	41	19	58	56	77	48	63	44	72	47	96	67	58	46	65	51	74	58	69	49	66	52	82	68	72	69		
15....	56	42	36	18	50	36	78	49	58	38	61	43	91	70	57	46	56	51	70	57	61	45	58	51	72	67	77	60		
16....	69	48	49	17	62	41	76	46	45	45	65	51	70	66	61	45	67	46	66	52	64	45	66	52	79	60	72	59		
17....	75	51	48	22	69	39	72	42	74	37	70	53	91	66	71	48	71	53	71	52	72	70	54	84	63	71	59	59		
18....	77	41	55	25	73	38	75	44	72	34	73	50	85	59	71	40	72	39	65	46	75	72	46	85	78	55	71	51		
19....	88	44	60	30	87	39	71	44	81	31	84	54	86	56	82	53	82	51	81	46	85	53	80	52	84	54	85	49		
20....	71	46	41	18	49	42	69	41	69	39	63	47	89	56	61	46	76	52	66	50	73	49	69	50	86	66	68	53		
21....	68	37	44	14	61	31	70	41	61	29	65	42	71	57	69	39	71	37	70	44	60	40	68	43	75	52	75	48		
22....	75	35	55	19	69	28	72	40	69	26	73	42	83	50	76	43	80	40	78	42	76	40	77	49	61	47	82	45		
23....	80	34	48	26	75	32	81	41	73	21	83	48	81	50	78	48	79	49	78	48	82	44	70	52	83	47	82	48		
24....	65	44	39	20	54	36	72	36	73	36	74	41	92	50	64	40	70	50	79	48	71	49	75	59	91	60	81	50		
25....	60	30	45	16	59	35	73	41	64	26	56	38	59	57	57	33	59	34	56	37	62	34	58	39	66	47	57	44		
Mns.	78.2	48.3	55.9	26.7	70.8	44.0	80.4	48.8	73.1	39.0	76.0	53.2	88.4	62.0	74.9	53.2	78.9	54.4	79.7	55.4	78.4	52.6	77.8	57.6	87.9	62.0	84.2	59.1		
Date.	Tennessee.						Arkansas.												Mississippi.											
	Kenton.		Memphis.		Bentonville.		Corning.		Dardanelle. ^{ss}		Dorado. ^{ss}		Fort Smith.		Little Rock.		Pine Bluff. ^{ss}		Texarkana. ^{ss}		Wynne. ^{ss}		Clarkdale. ^{ss}		Corinth. ^{ss}		Greenville. ^{ss}			
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1.....	89	77	93	73	94	74	95	71	92	72	96	75	90	74	93	73	92	70	95	74	93	74	95	74	96	74	96	74	96	74
2.....	90	75	94	72	94	73	96	70	92	70	97	73	90	72	94	72	96	69	97	69	96	70	93	70	94	71	96	71	97	72
3.....	90	77	94	71	95	71	97	70	94	73	99	74	92	74	98	70	97	71	97	72	94	71	95	71	97	72	99	71	97	72
4.....	92	76	93	69	96	70	93	66	94	70	98	73	93	73	98	69	99	70	98	70	96	70	98	72	99	71	97	71	99	71
5.....	91	76	94	66	95	68	97	66	96	70	99	72	99	72	93	75	98	70	99	71	96	73	98	72	99	71	97	72	99	71
6.....	92	77	96	66	97	68	100	63	97	71	100	71	96	73	97	71	101	69	97	81	95	72	95	71	99	76	99	76	97	76
7.....	94	76	98	63	96	69	100	65	99	72	101	71	95	74	99	71	104	67	97	81	96	72	96	70	100	77	97	77	100	77
8.....	93	76	97	66	96	70	99	68	98	70	101	71	95	75	99	71	102	67	98	86	97	71	98	70	100	74	97	71	100	72
9.....	93	76	96	70	95	68	98	70	97	72	97	73	95	74	98	71	103	70	98	86	97	70	97	71	100	72	97	71	100	72
10....	92	75	96	63	96	67	99	63	96	70	98	75	93	75	97	71	102	70	98	86	97	68	94	69	94	70	98	72	98	72
11....	91	74	94	66	95	67	98	67	97	70	97	73	96	74	98	71	102	70	97	85	95	70	90	68	99	73	99	73	97	73
12....	83	68	90	66	87	65	94	67	94	69	93	73	89	72	92	72	97	69	88	85	93	70	90	73	97	72	95	75	97	72
13....	85	62	72	63	89	53	92	59	94	60	91	69	89	66	94	65	98	61	93	57	91	60	93	62	96	65	96	65	97	65
14....	82	72	86	67	91	62	96	61	94	64	94	62	92	70	89	70	93	65	100	63	98	64	82	65	92	67	95	65	97	67
15....	87	70	86	63	93	67	94	70	94	64	93	67	89	71	91	69	89	69	93	66	94	63	90	70	97	72	99	72	97	72
16....	84	70	79	62	87	68	88	65	92	69	87	66	88																	

TABLE 3.—Maximum and minimum temperatures at selected stations for September, 1912. District No. 7—Continued.

Date.	Mississippi.						Louisiana.														Schriever.		Shreveport.						
	Kosciusko. §§		Natchez. §§		Vicksburg.		Alexandria. §§		Baton Rouge. §§		Covington. §§		Lafayette. §§		Lake Charles. §§		Monroe. §§		New Orleans.		Robline. §§		Schriever.		Shreveport.				
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.			
1.	94	73	95	71	91	75	92	75	94	73	94	71	92	72	93	70	94	71	92	77	96	70	95	71	89	73			
2.	93	70	94	76	93	74	92	70	93	71	96	71	92	73	94	69	94	70	91	78	99	70	93	71	91	72			
3.	97	69	95	69	92	75	95	70	96	70	98	70	95	72	95	70	95	71	93	77	100	69	96	72	92	74			
4.	97	69	94	70	93	75	99	71	98	71	99	71	94	73	98	68	95	71	95	80	100	66	100	73	93	72			
5.	98	70	96	70	94	75	99	72	99	73	99	71	97	74	100	70	96	73	98	81	99	65	99	74	93	76			
6.	96	71	97	70	93	76	98	72	99	74	98	72	95	75	101	71	97	74	95	75	100	68	98	74	95	76			
7.	97	70	95	72	94	76	97	72	97	73	99	71	95	73	100	72	95	73	94	78	100	68	97	72	95	74			
8.	96	70	97	74	94	78	97	73	98	72	98	72	97	74	98	70	96	74	94	78	100	69	95	72	95	74			
9.	96	70	96	75	93	78	98	73	97	72	98	72	94	74	97	68	96	74	94	80	101	68	98	73	95	76			
10.	94	70	97	71	93	73	97	72	76	73	98	72	96	75	101	71	96	73	94	78	99	67	96	74	95	74			
11.	93	68	98	70	91	74	98	70	96	73	95	71	97	72	99	70	96	72	93	79	98	67	94	73	95	73			
12.	94	70	97	70	90	72	98	70	96	72	98	72	99	72	88	69	94	71	93	80	97	65	96	74	93	72			
13.	93	65	98	67	90	66	97	66	95	71	95	72	98	71	99	69	93	65	88	78	97	62	94	72	93	68			
14.	80	67	94	71	87	73	96	67	94	71	92	73	100	72	90	68	92	71	90	75	99	61	95	75	95	68			
15.	92	69	94	71	91	72	98	70	95	73	92	75	98	73	97	60	93	74	93	77	100	62	97	74	88	74			
16.	90	69	94	70	86	71	98	68	94	70	95	69	97	70	94	66	88	69	91	75	95	64	94	69	89	72			
17.	92	67	94	69	89	70	95	68	95	71	93	70	100	70	96	67	93	68	92	77	98	65	95	71	92	71			
18.	79	66	95	69	78	68	87	68	90	72	90	72	99	71	96	66	84	68	90	75	89	65	94	70	85	69			
19.	85	60	92	60	84	63	90	64	60	67	89	68	99	68	93	63	86	61	86	74	89	55	95	67	85	62			
20.	89	58	94	64	90	67	94	64	92	67	90	69	93	71	93	64	90	65	88	75	98	57	94	60	93	67			
21.	88	60	95	60	87	70	91	69	93	68	92	70	96	71	86	66	88	68	85	75	89	63	94	70	76	65			
22.	72	64	94	61	72	64	74	66	79	69	83	70	79	69	82	63	78	63	81	71	80	65	90	73	75	59			
23.	81	58	84	60	79	60	86	61	85	65	88	69	87	66	89	62	81	57	82	72	85	55	85	70	79	56			
24.	86	58	82	60	86	63	91	59	89	64	88	66	97	63	81	59	87	54	88	71	94	52	94	62	90	58			
25.	84	59	88	64	84	70	86	60	79	66	80	66	87	63	97	61	86	68	80	71	95	55	78	61	92	61			
Means.	88.3	64.8	91.7	66.9	86.5	69.1	91.0	66.7	90.9	69.7	91.8	70.2	92.5	65.7	92.5	65.7	88.8	67.0	88.7	75.4	92.8	62.8	92.2	70.3	87.3	67.6			
	Oklahoma.														Missouri.								Kentucky.		Tennessee.				
Date.	Enid. §§		McAlester.		Mangum. §§		Muskogee.		Oklahoma.		Weatherford. §§		Woodward.		Caruthersville.		Ironton. §§		Lamar. §§		Olden.		Springfield.		Blandville.		Jackson.		
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.			
1.	102	72	98	75	100	67	99	72	94	73	99	74	97	74	96	73	94	66	95	74	94	69	91	72	92	73	96	68	
2.	101	71	99	75	97	70	99	73	95	73	99	70	95	72	96	72	95	67	97	74	95	74	93	71	92	73	96	67	
3.	102	70	100	74	98	70	100	75	95	74	99	72	97	72	98	72	96	66	98	70	95	66	92	71	93	74	98	67	
4.	99	75	99	76	98	68	101	74	94	73	95	70	95	70	98	73	95	66	96	71	94	65	92	70	95	71	102	67	
5.	101	73	102	72	97	70	100	71	95	73	98	69	97	73	101	73	97	63	95	68	92	69	95	72	98	69	99	69	
6.	102	69	104	70	98	70	103	70	97	71	99	69	99	63	102	72	99	63	100	69	98	72	94	71	97	72	99	68	
7.	104	68	106	71	98	68	104	71	97	71	102	67	98	65	102	73	99	63	102	69	98	74	97	74	94	71	102	68	
8.	102	70	104	70	92	69	103	70	98	72	102	67	100	67	100	69	99	63	101	69	96	68	95	71	93	74	102	68	
9.	104	68	105	73	100	67	102	72	97	75	102	70	97	72	102	74	96	62	99	72	96	66	94	74	92	73	99	67	
10.	104	70	104	73	100	69	101	73	97	73	101	71	100	67	102	71	99	60	100	71	98	68	94	72	95	73	98	67	
11.	93	72	99	71	96	67	100	73	92	71	93	71	86	67	101	71	94	60	93	69	97	63	88	71	94	68	97	62	
12.	90	68	98	72	96	70	92	68	89	68	90	68	75	65	91	68	86	57	92	62	87	61	84	63	80	60	90	59	
13.	78	67	97	71	89	69	91	69	80	68	81	68	81	65	93	62	88	43	74	65	84	51	71	62	88	56	94	52	
14.	85	67	89	70	86	67	89	62	81	60	84	65	70	53	89	61	90	60	76	63	89	62	86	66	86	67	89	72	
15.	78	60	82	66	71	54	80	65	62	55	63	53	61	49	96	67	88	60	87	66	78	63	88	69	83	70	89	72	
16.	76	55	86	62	78	54	78	63	71	55	74	53	67	46	95	70	86	63	67	59	(*)	76	59	84	68	
17.	73	58	81	62	76	56	75	61	72	58	71	54	71	55	90	66	67	62	64	58	82	62	64	55	78	64	90	64	84
18.	73	59	77	54	80	53	73	54	70	54	72	51	75	44	81	64	69	49	68	65	(b)	63	51	71	60	78	62	94	52
19.	85	53	83	51	87	54	87	50	82	55	84	52	82																